

Amendments to the Specification:

Please substitute the following paragraphs for the corresponding paragraphs beginning at the indicated location in the specification as originally filed.

(Page 2, Lines 5+):

~~By the way, the~~ The links are engaged with both of bearings of the key top and bearings of the key frame. The holes of all of the plural sets of bearings of the key frame or all of the bearings except one set of the bearings thereof are elongated holes. Sliding movements of lower ends of the links in the elongated holes enable the key top to be moved down.

(Page 2, Lines 24+):

Fig. 11 shows an example of a key frame of the related keyboard apparatus, and this key frame 101 is an injection molded resin part of the type on which two sets of link bearings 102, 103 are provided so that the link bearings extend at right angles to each other (the two sets of link bearings and two sets of links will now be referred to as X link bearings 102 and Y link bearings 103, and X link 104 and Y link 105 respectively). On a rear surface of the key top (not shown), lower surface opened type X link bearings and Y link bearings engageable with the X link 104 and Y link 105 are provided, and the positions of the X link bearings and Y link bearings on the key top have relation identical with that between an a point and a b point in Fig. 11. The positional relation between the X link 104 and Y link 105 and that between the X link bearings and Y link bearings on the key top are that they correspond to each other in a state that fulcrums of the Y link 105 are slid toward the out side end of the elongated holes of the Y link bearings 103 on the key frame 1.

(Page 3, Lines 12+):

When the key top in the state is pressed from ~~the~~ above against the X link 104 and Y link 105 with the key top set in accordance with the directions of the X link 104 and Y link 105, the X

link 104 is engaged with the X link bearings, and the Y link 105 with the Y link bearings. As a result, the key top is fixed. However, since the Y link 105 is slidable, the Y link 105 deviates from b points in Fig. 12 in some cases as shown in the same drawing. When the Y link 105 is not in the predetermined b points, the Y link bearings and Y link 105 on the key top are not aligned with each other even when the key top is pressed down, so that the key top cannot be fixed to the base frame. Therefore, it is necessary in such a case that the Y link 105 is slid to the points b as shown in Fig. 11 by a manual operation, so that a key top fixing operation takes much labor and time.

(Page 3, Lines 33+):

Further, ~~an~~ another object of the present invention is to provide a keyboard apparatus capable of facilitating the assembling of the key top with the base frame and thereby reduce the assembling man-hour.

(Page 4, Lines 24+):

In the above configurations, the link bearing is formed on a metal base frame by subjecting the metal base frame to sheet metal processing, and the link on the key top is fixed directly to the metal base frame. Therefore, the thickness of the keyboard apparatus decreases as compared with that of a related art keyboard structure in which a key frame is mounted on a base frame with the links of the key top fixed to the key frame. Moreover, the number of parts and assembling man-hour decrease, so that the cost also decreases.

(Page 5, Lines 2+):

Since the link is formed by subjecting a metal wire rod to a bending process ~~are used~~, the strength of the links is improved, and the costs is reduced, as compared with that of resin links used in a related art keyboard apparatus, ~~and the cost also decreases~~.

(Page 7, Lines 31+):

The X link bearings 4 and Y link bearings 5 are formed by the boring process and the cut-raising process. The holes of the X link bearings 4 arranged laterally in front view are circular holes, and those of the Y link bearings 5 arranged longitudinally in the same view elongated holes. When a key top engaged with the X link 2 and Y link 3 is lifted and lowered, the X link 2 engaged with the X link bearings 4 is turned around the circular holes of the X link bearings 4, and a fulcrum of the Y link 3 engaged with the Y link bearings 5 is moved horizontally in the elongated holes of the Y link bearings 5 in accordance with the lifting and lowering of the key top, and the key top is lifted and lowered with a substantially horizontal posture maintained with respect to the metal base frame 21.

(Page 8, Lines 14+):

The X link 2 and Y link 3 shown in Fig. 2 are obtained by bend-molding a thin, cross-sectionally circular metal rod to the shape of a gate, which enables the cost to be reduced as compared with injection molded links of a resin used in a related art keyboard apparatus. The metal base frame 1 is provided in the positions thereon which correspond to central sections of front end portions of the X link 2 and Y link 3 with base seats 6, 7 formed by an ejection process so that the front end portions of the X link 2 and Y link 3 fixed to the X link bearings 4 and Y link bearings 5 is mounted on the base seats 6, 7, and lift slightly above an upper surface of the metal base frame 1. ~~The reasons why this~~ This structure is formed ~~reside in that~~ because it is necessary to render it possible to engage the bearings of the key top with the X link 2 and Y link 3 by pressing the key top from the above against the X link and Y link.

(Page 13, Lines 4+):

A key top 18 made of a resin and shown in Fig. 9 is provided with lower surface opened type X link bearings 19 and Y link bearings 20 engageable with the X link and Y link 13. When the key top 18 is pressed from the above against the X link 12 and Y link 13 with the key top 18 directed toward the X link 12 and Y link 13, the X link 12 is engaged with the X link bearings 19 of the key top 18, and the Y link 313 with the Y link bearings 20 of the key top 18, the key top

18 being thereby fixed. When the pressure of the key top 18 is released after the key top is fixed, the key top 18 moves up vertically owing to a restoring force of the rubber contact 12 to be put in an initial condition thereof shown in Fig. 10.

(Page 17, Lines 3+):

~~A keyboard apparatus includes a frame, a link bearing provided on the frame and having an elongated hole, a link slidably engaged with the elongated hole of the link bearing, and a stopper provided on the frame so as to position the link at a first position in the elongated hole. The link is disposed at a first position in the elongated hole when a key top is assembled to the link.~~

~~Also, a keyboard apparatus includes a frame formed by a metal plate, a link bearing formed on the metal plate by sheet metal processing, a link connected to the link bearing and a key top connected to the link so that the key top is lifted and lowered.~~

A keyboard apparatus includes a frame, a link bearing provided on the frame and having an elongated hole, a link slidably engaged with the elongated hole of the link bearing, and a stopper provided on the frame so as to position the link at a first position in the elongated hole.
The link is disposed at a first position in the elongated hole when a key top is assembled to the link. Also, a keyboard apparatus includes a frame formed by a metal plate, a link bearing formed on the metal plate by sheet metal processing, a link connected to the link bearing and a key top connected to the link so that the key top is lifted and lowered.